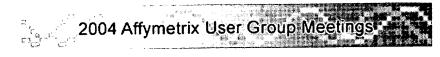
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-> START)

GETTING STARTED

-> Wizard

QUERY

Expression

- -> Quick Query -> Standard Query
- -> Batch Query
- -> BLAST
- -> Probe Match
- -> UCSC Query

Genotyping

- -> Quick Query
- -> Standard Query
- -> Batch Query
- -> UCSC Query
- -> SNP Finder

CURRENT QUERY 1 probe sets

- -> Annotations
- -> Show Orthologs
- -> GO Browser
- -> Export

QUERY HISTORY

Annotation Views

- -> Expression
- -> Genotyping

-> BLAST Status

-> New Folder

-> Expression Queries

- -> (1)All Descriptions (M12625_at)
- -) (1)All Descriptions (U23752 at)
- -) (1) All Descriptions (HG1800-HT1823_at)
- -> (1)All Descriptions (U15008_at)
- → (1)All Descriptions (HG3523)
- -> Genotyping Queries

Full Record

Details for HUGENEFL:M12625_AT

Full Screen

NetAffx Links

Cluster Members Consensus/Exemplar

GeneChip Array Information

M12625_at Probe Set ID

GeneChip

Array

HumanGeneFL Array

Organism

Common Human

Name

Probe Design Information

Transcript ID M12625

Sequence Type

Exemplar sequence

Representative

Public ID

M12625 NCBI

Target

M12625, class B, 20 probes, 13 in M12625mRNA 893-1259: 7 in

Description

Alignment(s)

reverseSequence, 1599-1683, Human lecithin-cholesterol acyltransferase mRNA,

complete cds, with 5' and 3' flanking DNA sequences

Genomic Alignment of Target Sequence

April 2003 (NCBI 33) Assembly

Position

% Identity Cytoband

chr16: 67749925-67750484 (-) UCSC

100

q22.1

Representative Transcript

UniGene Description

chr16:67749888-67754507 (-)

Position

Overlapping **Transcripts**

lecithin-cholesterol M12625 NCBI acyltransferase

UCSC

Public Domain and Genome References

lecithin-cholesterol acyltransferase Gene Title

LCAT HGNC Gene Symbol

Chromosomal Location

16q22.1

Hs.387239 NCBI (FULL LENGTH) UniGene ID

Ensembl

ENSG00000103080 Ensembl

LocusLink

3931 NCBI

SwissProt

AAP88750 EMBL-EBI

EC

P04180 EMBL-EBI

OMIM

606967 NCBI

2.3.1.43

RefSeq Protein	NP_00	0220 <u>NCBI</u>								
RefSeq	RefSeq Transcript ID RefSeq Title NM 000229 NCBI lecithin-cholesterol acyltransferase precursor									
	Functional Annotations									
		ID		Tit	le	Organism	Type			
Ortholog	MG-U74AV2:103023_AT			lecithin choles		Mouse	Curated Ortholog			
	MG-U74AV2:161759_R_AT			lecithin cholesterol Mo acyltransferase		Mouse	Curated Ortholog			
	MOE430A:1417043_AT			lecithin choles acyltransferas	-	Mouse	Curated Ortholog			
	MU11KSUBA:J05154_S_AT			lecithin cholesterol Mouse acyltransferase			Curated Ortholog			
	RAE230A:1367887_AT			lecithin cholesterol Rat acyltransferase			Curated Ortholog			
	RG-U34A:X54096_AT			lecithin choles acyltransferas		Rat	Curated Ortholog			
	MOUSE430 2:1417043 AT			lecithin cholesterol Mouse acyltransferase			Curated Ortholog			
	MOUSE430A 2:1417043 AT			lecithin cholesterol Mouse acyltransferase			Curated Ortholog			
	GO Bio	ological Pro	cess (view (graph)						
	ID		Description	on	Evide	nce	Links			
	6629 lipid metabolism			inferred from electronic annotation			QuickGO AmiGO			
	GO Ce	llular Comp	onent (view	graph)						
	ID Description						Links			
Gene Ontology	5576 extracellular			not recorded			QuickGO AmiGO			
0,	GO Molecular Function (view graph)									
	ID		Description		Evide		Links			
	4607		dylcholine-st erase activity	electronic annotation			QuickGO AmiGO			
	8415 acyltransferase activity			electronic annotation			QuickGO AmiGO			
	16740 transferase activity			inferred from electronic annotation			QuickGO AmiGO			
	Meth	od ID		De	escription		E-Value			
Protein	blast	328798	337				0.0			
Similarities	blast 4557892 lecith			in-cholesterol acyltransferase precursor o sapiens]			0.0			
Protein Families	Metho	od ID		1	Description		E- Value			
	ec	_	EC:2 STE (EC ACY	LCAT_HUMAN EC:2.3.1.43:PHOSPHATIDYLCHOLINE- STEROL ACYLTRANSFERASE PRECURS (EC 2.3.1.43) (LECITHIN-CHOLESTEROL ACYLTRANSFERASE) (PHOSPHOLIPID- CHOLESTEROL ACYLTRANSFERASE).						
	Datab	ase I	D	r	Description		E-Value			

	scop pfam	d1tca_ LACT	d1tca SCOP:c.69.1.17: Triacylglycerol lipase Lecithin:cholesterol acyltransferase	5.3E-8 1.7E- 182
	InterPro	IPR003386 EMBL-EBI	Lecithin:cholesterol acyltransferase	
Protein Domains	InterPro	IPR008262 EMBL-EBI	Lipase, active site	

Trans Membrane

Number Of Probability of Interior N-Terminus Domains 0.05945 NP_000220

Sequence

>HUGENEFL:M12625_AT

 $\verb"cttcaactacacaggccgtgacttccaacgcttctttgcagacctgcactttgaggaagg"$ $\verb|ctggtacatgtggctgcagtcacgtgacctcctggcaggactcccagcacctggtgtgga|\\$ ${\tt agtatactgtctttacggcgtgggcctgcccacgccccgcacctacatctacgaccacgg}$ $\verb|cttcccctacacggaccctgtgggtgtgctctatgaggatggtgatgacacggtggcgac| \\$ $\verb"gcccctgcacgggatacagcatctcaacatggtcttcagcaacctgaccctggagcacat"$ ${\tt caatgccatcctgctgggtgcctaccgccagggtccccctgcatccccgactgccagccc}$ agageccccgcctcctgaataaagaccttcctttgctaccgtaagccctgatggctatgt $\verb|ttcaggttgaagggaggcactagagtcccacactaggtttcactcctcaccagccacagg|$ ctcagtgctgtgtgcagtg

Target Sequence

Probe Info

Probe Sequence(5'-3')	Probe X	Probe Y	Probe Interrogation Position	Strandedness
CTTCAACTACACAGGCCGTGACTTC	152	127	1161	Antisense
CTACACAGGCCGTGACTTCCAACGC	153	127	1167	Antisense
CCAACGCTTCTTTGCAGACCTGCAC	154	127	1185	Antisense
CCTGCACTTTGAGGAAGGCTGGTAC	155	127	1203	Antisense
CATGTGGCTGCAGTCACGTGACCTC	156	127	1227	Antisense
GCTGCAGTCACGTGACCTCCTGGCA	157	127	1233	Antisense
CCTGGCAGGACTCCCAGCACCTGGT	158	127	1251	Antisense
GGACCCTGTGGGTGTGCTCTATGAG	159	127	1353	Antisense
TGTGCTCTATGAGGATGGTGATGAC	160	127	1365	Antisense
GGCGACCCGCAGCACCGAGCTCTGT	161	127	1395	Antisense
CCTGACCCTGGAGCACATCAATGCC	162	127	1503	Antisense
GCACATCAATGCCATCCTGCTGGGT	163	127	1515	Antisense
CATCCTGCTGGGTGCCTACCGCCAG	164	127	1527	Antisense
CTTTGCTACCGTAAGCCCTGATGGC	165	127	1611	Antisense
TACCGTAAGCCCTGATGGCTATGTT	166	127	1617	Antisense
AAGCCCTGATGGCTATGTTTCAGGT	167	127	1623	Antisense
CTATGTTTCAGGTTGAAGGGAGGCA	168	127	1635	Antisense
GGAGGCACTAGAGTCCCACACTAGG	169	127	1653	Antisense
GTCCCACACTAGGTTTCACTCCTCA	170	127	1665	Antisense
CACAGGCTCAGTGCTGTGCAGTG	171	127	1695	Antisense

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